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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/722,607	11/28/2003	Masato Akita	246066US2SRD	8246
22850 759 OBLON SPIVAK		7 MAIER & NEUSTADT, P.C.	246066US2SRD 8246  EXAMINER  MERCADO, JULIAN A  ART UNIT PAPER NUMB  1745  DELIVERY MODE	INER
1940 DUKE STRI	EET			, JULIAN A
ALEXANDRIA, V	VA 22314			PAPER NUMBER
			1745	
SHORTENED STATUTORY P	ERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
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## Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)			
		10/722,607	AKITA ET AL.			
•	Office Action Summary	Examiner	Art Unit			
	·	Julian Mercado	1745			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAY INSIGNS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. In period for reply is specified above, the maximum statutory period vere to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timularly and will expire SIX (6) MONTHS from a cause the application to become ABANDONE!	I. tely filed the mailing date of this communication (35 U.S.C. § 133).			
Status						
1)	Responsive to communication(s) filed on	· _•				
2a)□	•	action is non-final.				
3)	Since this application is in condition for allowar	nce except for formal matters, pro	secution as to the merits	is		
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	i3 O.G. 213.			
Dispositi	on of Claims					
4)⊠	Claim(s) 1-35 is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)[	Claim(s) is/are allowed.					
6)□	Claim(s) is/are rejected.					
7)[	Claim(s) is/are objected to.	•				
8)⊠	Claim(s) <u>1-35</u> are subject to restriction and/or e	election requirement.				
Applicati	on Papers					
9)	The specification is objected to by the Examine	r.	·			
10)[	The drawing(s) filed on is/are: a) ☐ acc	epted or b) objected to by the f	Examiner.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority u	ınder 35 U.S.C. § 119					
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:					
	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No					
	3. Copies of the certified copies of the prior	•	ed in this National Stage			
	application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.						
		·	·			
Attachmen	t(s)					
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
2) Notic	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate			
	mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	5)  Notice of Informal P 6)  Other:	атепт Аррисацол			
	· · · · · · · · · · · · · · · · · · ·	·, <u> </u>				

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## Election/Restrictions

This application contains claims directed to the following patentably distinct species:

1. A direct type liquid fuel cell power generator having a first and second flow path plate, wherein the first flow path plate contacts all anode electrodes, and having a flow path in a bent or meandered shape in a planar direction of the flow path plate and penetrates in a thickness direction of the second flow path plate.

- 2. A direct type liquid fuel cell power generator having a first and second flow path plate, wherein the first flow path plate contacts all anode electrodes, and having a flow path in a bent or meandered shape in a planar direction of the flow path plate and meet conditions relating to the number of electromotive portion units, the concentration of methanol and the temperature of the electromotive portion units.
- 3. A direct type liquid fuel cell power generator having a first and second flow path plate, wherein the first flow path plate contacts all anode electrodes, and having a flow path in a bent or meandered shape in a planar direction of the flow path plate and having a liquid fuel supply device, oxidizing agent supply device, liquid fuel container, gasliquid separating mechanism and an electric circuit.
- 4. A direct type liquid fuel cell power generator having a first, second and third flow path plate, wherein the first to third flow paths are composed of an insulating member and a conductive portion and having a penetrating portion.
- 5. A direct type liquid fuel cell power generator having an anode, a cathode, a fuel container and a flow path plate, wherein the flow path plate has a flow path which produces flow-back from the fuel container.

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6. A direct type liquid fuel cell power generator having a first, second and third flow path plate, wherein the first to third flow paths are composed of an insulating member and a conductive portion and meet conditions relating to the number of electromotive portion units, the concentration of methanol and the temperature of the electromotive portion units.

7. A direct type liquid fuel cell power generator having a first, second and third flow path plate, wherein the first to third flow paths are composed of an insulating member and a conductive portion and having a liquid fuel supply device, oxidizing agent supply device, liquid fuel container, gas-liquid separating mechanism and an electric circuit.

Inventions 1-7 are directed to related species. The related inventions are distinct if the (1) the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect; (2) the inventions do not overlap in scope, i.e., are mutually exclusive; and (3) the inventions as claimed are not obvious variants. See MPEP § 806.05(j). In the instant case, the inventions as claimed the inventions are not obvious variants. Furthermore, the inventions as claimed do not encompass overlapping subject matter and there is nothing of record to show them to be obvious variants.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable

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thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julian Mercado whose telephone number is (571) 272-1289. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

PATRICK/JOSEPH RYAN SUPERVISURY PATENT EXAMINER